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a. Serial No.	f. Foreign Priority	k. Print Claim(s)	p. PTO-1449
b. Applicant(s)	g. Disclaimer	I. Print Fig.	q. PTOL-85b
c. Continuing Data	h. Microfiche Appendix	m. Searched Colur	
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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Marchant et al.

Examiner

R. Teller

Application No.

09/302,195

Group Art

1654

Filing Date

April 29, 1999

Title

SURFACTANTS THAT MIMIC THE GLYCOCALYX

Confirmation No.

6586

Docket No.

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COMMUNICATION

In accordance with the telephone conversation between Janet Higgins of the US Patent Office and Christina R. Correll of Benesch, Friedlander, Coplan, & Aronoff, LLP on Friday, January 30, 2004, Applicant submits a copy of Figures 1-5 for the above-captioned patent application. The Figures are being sent to replace Figures 1-5 that were unintentionally defaced by the Patent Office. Applicant verifies that these Figures 1-5 are true copies of the originally filed Figures.

February 2, 2004

Respectfully/submitted,

W. Scott Harders Reg. No. 42,629 BENESCH, FRIEDLANDER, COPLAN & ARONOFF LLP

2300 BP Tower 200 Public Square Cleveland, OH 44114-2378 (216) 363-4504

Scheme 1. Synthetic Route to Poly(vinylamine) and Derivatization of Poly(vinylamine) with (1) Dextran Lactone and (2) N-(Hexanoyloxy)succinimide

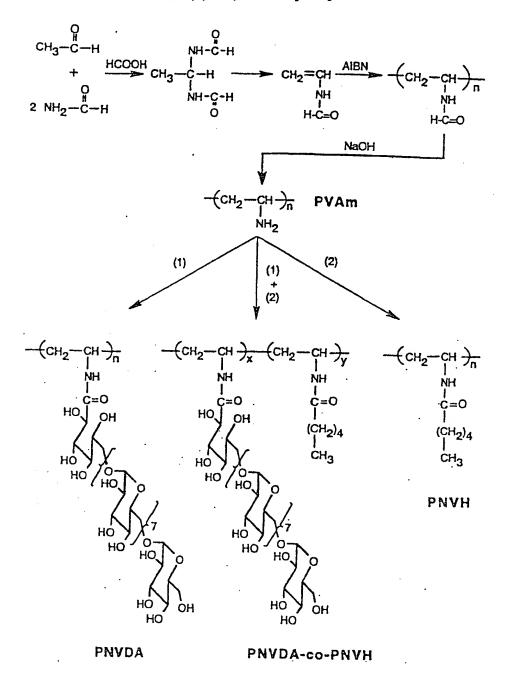
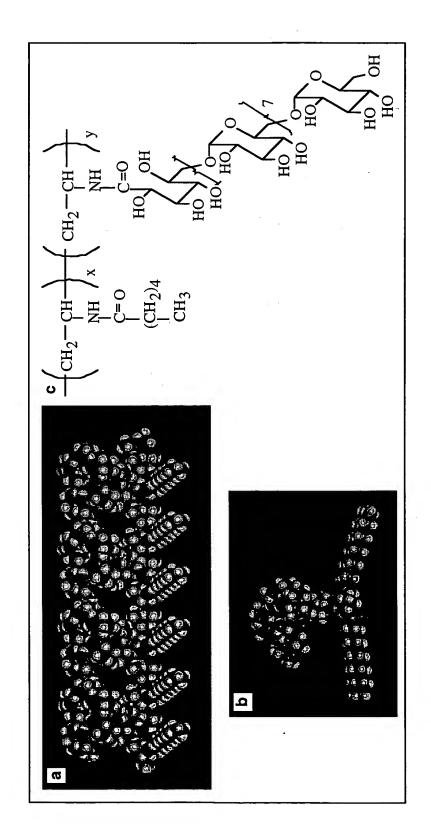


Fig. 1



Flgure 2

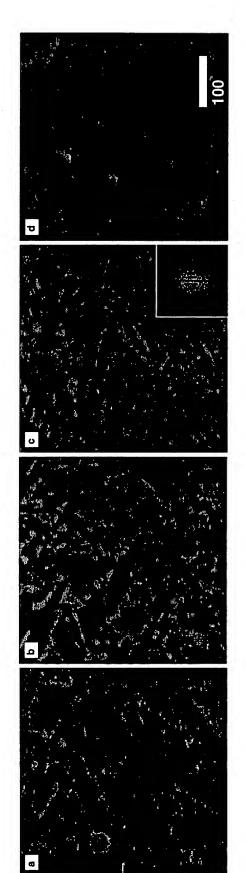


Figure 3

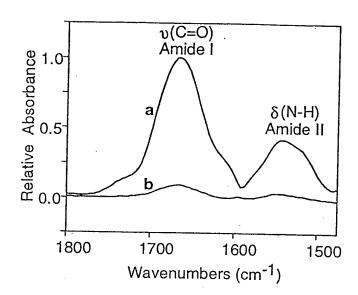
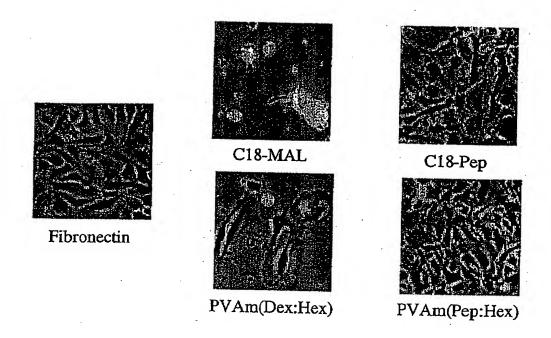


Fig. 4



Phase contrast images of HUVECs on surfactant coated surfaces after 72 hours. The cells grew only on the peptide surfactants, not the saccharide surfactants. Fibronectin is a positive control surface.

Fig. 5